

NAVSEA
STANDARD ITEM

FY-01

ITEM NO: 009-86
DATE: 23 SEP 1999
CATEGORY: I

1. SCOPE:

1.1 Title: Recovery of Chlorofluorocarbons (CFC's) and Fire
Suppressant Halon (H) Materials; accomplish

2. REFERENCES:

a. 49 CFR 173

3. REQUIREMENTS:

3.1 Recover CFC's and halon materials listed in 4.1 that are not recycled back into the specific systems equipment from which they were removed as follows:

3.1.1 Fire suppression (halon) cylinders and canisters with electrical charges or initiators must be deactivated and safety caps must be used to cover exposed actuating mechanisms and discharge ports prior to shipping the intact cylinder.

3.1.2 Recover other halon and CFC materials for turn-in to the DoD ODS stockpile at the Defense Depot Richmond VA (DDRV). Empty cylinders shall be used to recover the materials. Empty recovery cylinders can be requisitioned through normal MILSTRIP stock ordering procedures from DDRV. The cylinders used to recover CFC shall be painted orange and cylinders used for halons shall be painted red. Both cylinders shall have yellow tops and shall also have dual port valves to ease the recovery process.

3.1.2.1 Do not mix new materials with used materials and do not mix different types of materials in the same cylinders.

3.1.3 Ensure the recovered materials cylinder is tagged. The tag should be placed beneath the cylinder protective cap or attached securely to the container. Do not stencil on cylinder. The tag shall contain the following information:

3.1.3.1 The shipper's DOD Activity Address Code.

3.1.3.2 The shipping activity with point of contact and telephone number.

3.1.3.3 The Navy Stock Number (NSN) that applies to the filled cylinder being returned.

3.1.3.4 The identity of the recovered material (Navy recovered R-XXX, CFC-XXX, or HALON-XXX).

3.1.3.5 The amount, in pounds, of recovered materials in the cylinder. Do not fill more than 80 percent of its water weight capacity.

3.1.3.6 Apply a warning/hazardous label to the cylinder in compliance with 2.a.

3.2 Prior to shipping the reclaimed materials to DDRV, notify the SUPERVISOR so that a DD Form 1348-1 MILSTRIP can be prepared and transaction authorization procured.

3.3 Upon receipt of the completed DD Form 1348-1, and transaction authority from the SUPERVISOR, ship the reclaimed materials to:

Defense Depot Richmond Virginia (DDRV)
SWO400
Cylinder Operations
8000 Jefferson Davis Highway
Richmond, VA 23297-5000

4. NOTES:

4.1 Recovery Material - CFC's and Halons:

<u>PRODUCT TYPE</u>	<u>PRODUCT TYPE WEIGHT</u>	<u>CYLINDER WATER WEIGHT</u>
R-11	59	42
	170	122
	1400	1000
R-12	45	42
	145	122
	1190	1000
R-113		
R-114	57	42
	165	122
	1350	1000
R-500	43	42
	127	122
	1045	1000

<u>PRODUCT TYPE</u>	<u>PRODUCT TYPE WEIGHT</u>	<u>CYLINDER WATER WEIGHT</u>
R-502	44	42
	125	122
	1050	1000
H-1202	160	122
H-1211	1-5	
	6-10	
	11-20	
	21-60	
	61-125	
	126-200	122
	200	122
	201-340	
	341-1500	1000
	1500	1000
H-1301	1-5	
	6-10	
	11-20	
	21-70	
	71-100	
	101-117	
	117	
	118-125	
	150	122
	1240	1000

4.2 Current NSNs for cylinders are available from the SUPERVISOR.

4.3 Condition codes for cylinders are as follows:

4.3.1 Condition Code A: To be used for returning original cylinders whose seal was never broken or for recovery cylinders.

4.3.2 Condition Code B: To be used for returning full, original cylinders or for standard DOD refillable cylinders.

4.3.3 Condition Code F: To be used to return partially depleted cylinders whose purity cannot be guaranteed or for returning other (non-standard/commercial) cylinders.

4.4 Definition of Recover - To remove refrigerant in any condition from a system and store it in an external container without necessarily testing or processing it in any way.